**Lampiran 1. Hasil Observasi Ukuran Pemotongan, Jumlah Sayur, Jumlah Air, dan Cara Pemasakan pada Sepuluh Tempat Makan di Semarang**

| Tempat | Jenis Masakan | Ukuran Sayur | Jumlah Sayur | Jumlah Air | Lama Pemasakan | Cara Pemasakan |
|---|---|---|---|---|---|---|
| Ruko Puri Anjasmoro   | Sayur sop | ± 3 – 4 cm | 1x | 4x | ± 5 menit | Sayur dimasukkan ke dalam air yang telah mendidih dan sesekali diaduk |
| Nasi Pecel Bu Lastri Nganjuk Puri Anjasmoro   | Nasi Pecel | ± 3 – 5 cm | 1x | 4x | ± 5 menit | Sayur dimasukkan ke dalam air yang telah mendidih dan sesekali diaduk |
| Depot Makan Manalagi   | Gado-gado | ± 3 – 7 cm | 1x | 5x | ± 3 menit | Sayur dimasukkan ke dalam air yang telah mendidih dan sesekali diaduk |
| Pondok Makan Semarang  | Ayam goreng + lalapan | ± 4 – 5 cm | - | - | - | - |

| | | | | | | |
|---|---|---|---|---|---|---|
| RM. Mie Lampung<br>Jl. Kusuma Wardani no.31 | Cap cay kuah | ± 3 cm | ± 120 gr | ± 500 ml | 2 – 3 menit | Sayur dimasukkan ke dalam air yang telah mendidih sambil diaduk |
| RM. Citra<br>Jl. Petudungan no. 111 | Cap cay kuah | ± 4 cm | ± 300 gr | ± 500 ml | 2 – 3 menit | Sayur dimasukkan ke dalam air yang telah mendidih sambil diaduk |
| RM. Tio Chiu 77<br>Jl. Gang Warung no. 110 – 112 | Cap cay kuah | ± 3 – 4 cm | ± 120 gr | ± 500 ml | 2 – 3 menit | Sayur dimasukkan ke dalam air yang telah mendidih sambil diaduk |
| RM. Kelapa Gading<br>Jl. Gajah Mada no. 85A | Cap cay kuah | ± 3 – 5 cm | ± 200 gr | ± 600 ml | 2 – 3 menit | Sayur dimasukkan ke dalam air yang telah mendidih sambil diaduk |
| WM. Sidodadi<br>Jl. Anjasmoro Tengah V/23<br>  | Tahu Gimbal | ± 3 – 4 cm | - | - | - | - |
| WM. Pentul | Sop sayur | ± 3 – 5 cm | ± 50 – 60 gr | ± 250 ml | ± 10 menit | Sayur dimasukkan ke dalam air yang telah mendidih dan sesekali diaduk |

**Lampiran 2. Analisa Uji T terhadap Data Pengujian Kol Putih Segar dan Waktu Tunggu 0 menit Setelah Perebusan**

## Vitamin C

**Independent Samples Test**

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 95% Confidence Interval of the Difference | |
| | | F | Sig. | t | df | Sig. (2-tailed) | Mean Difference | Std. Error Difference | Lower | Upper |
| Segar_nol_menit | Equal variances assumed | 11,224 | ,004 | -17,054 | 16 | ,000 | -9,80117 | ,57473 | -11,01954 | -8,58280 |
| | Equal variances not assumed | | | -17,054 | 8,167 | ,000 | -9,80117 | ,57473 | -11,12179 | -8,48055 |

## Aktivitas Antioksidan

**Independent Samples Test**

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 95% Confidence Interval of the Difference | |
| | | F | Sig. | t | df | Sig. (2-tailed) | Mean Difference | Std. Error Difference | Lower | Upper |
| Segar_nol_menit | Equal variances assumed | 9,031 | ,008 | -6,569 | 16 | ,000 | -12,37141 | 1,88342 | -16,36408 | -8,37875 |
| | Equal variances not assumed | | | -6,569 | 8,742 | ,000 | -12,37141 | 1,88342 | -16,65127 | -8,09156 |

## Warna L*

**Independent Samples Test**

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 95% Confidence Interval of the Difference | |
| | | F | Sig. | t | df | Sig. (2-tailed) | Mean Difference | Std. Error Difference | Lower | Upper |
| Segar_nol_menit | Equal variances assumed | 1,683 | ,198 | 25,906 | 88 | ,000 | 10,73800 | ,41449 | 9,91428 | 11,56172 |
| | Equal variances not assumed | | | 25,906 | 86,571 | ,000 | 10,73800 | ,41449 | 9,91409 | 11,56191 |

## Warna b*

**Independent Samples Test**

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 95% Confidence Interval of the Difference | |
| | | F | Sig. | t | df | Sig. (2-tailed) | Mean Difference | Std. Error Difference | Lower | Upper |
| Segar_nol_menit | Equal variances assumed | 8,371 | ,005 | -15,822 | 88 | ,000 | -8,78244 | ,55506 | -9,88551 | -7,67938 |
| | Equal variances not assumed | | | -15,822 | 76,146 | ,000 | -8,78244 | ,55506 | -9,88791 | -7,67698 |

## Tekstur Batang

**Independent Samples Test**

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 95% Confidence Interval of the Difference | |
| | | F | Sig. | t | df | Sig. (2-tailed) | Mean Difference | Std. Error Difference | Lower | Upper |
| Segar_nol_menit | Equal variances assumed | 21,775 | ,000 | 1,429 | 16 | ,172 | 744,24656 | 520,98356 | -360,189 | 1848,682 |
| | Equal variances not assumed | | | 1,429 | 8,541 | ,189 | 744,24656 | 520,98356 | -444,021 | 1932,514 |

## Tekstur Daun

**Independent Samples Test**

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 95% Confidence Interval of the Difference | |
| | | F | Sig. | t | df | Sig. (2-tailed) | Mean Difference | Std. Error Difference | Lower | Upper |
| Segar_nol_menit | Equal variances assumed | 6,461 | ,022 | 10,279 | 16 | ,000 | 1921,1802 | 186,90731 | 1524,954 | 2317,406 |
| | Equal variances not assumed | | | 10,279 | 9,972 | ,000 | 1921,1802 | 186,90731 | 1504,567 | 2337,793 |

# Kadar Air

**Independent Samples Test**

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 95% Confidence Interval of the Difference | |
| | | F | Sig. | t | df | Sig. (2-tailed) | Mean Difference | Std. Error Difference | Lower | Upper |
| Segar_nol_menit | Equal variances assumed | 3,800 | ,069 | -7,972 | 16 | ,000 | -1,25778 | ,15777 | -1,59223 | -,92333 |
| | Equal variances not assumed | | | -7,972 | 11,857 | ,000 | -1,25778 | ,15777 | -1,60198 | -,91358 |

**Lampiran 3. Analisa Normalitas terhadap Data Pengujian Vitamin C Kol Putih dan Air Rebusan Selama Waktu Tunggu Setelah Perebusan**

## Vitamin C Kol Putih

**Tests of Normality**

| | | Kolmogorov-Smirnov[a] | | | Shapiro-Wilk | | |
|---|---|---|---|---|---|---|---|
| | perlakuan | Statistic | df | Sig. | Statistic | df | Sig. |
| vitamin_C | Segar | ,198 | 9 | ,200* | ,921 | 9 | ,403 |
| | 0_menit | ,214 | 9 | ,200* | ,838 | 9 | ,054 |
| | 5_menit | ,145 | 9 | ,200* | ,944 | 9 | ,628 |
| | 10_menit | ,172 | 9 | ,200* | ,874 | 9 | ,135 |
| | 15_menit | ,176 | 9 | ,200* | ,892 | 9 | ,208 |
| | 20_menit | ,195 | 9 | ,200* | ,896 | 9 | ,231 |
| | 25_menit | ,178 | 9 | ,200* | ,877 | 9 | ,147 |
| | 30_menit | ,210 | 9 | ,200* | ,837 | 9 | ,054 |
| | 35_menit | ,260 | 9 | ,079 | ,809 | 9 | ,056 |
| | 40_menit | ,238 | 9 | ,151 | ,808 | 9 | ,055 |
| | 45_menit | ,169 | 9 | ,200* | ,943 | 9 | ,618 |
| | 50_menit | ,186 | 9 | ,200* | ,950 | 9 | ,685 |
| | 55_menit | ,245 | 9 | ,127 | ,895 | 9 | ,223 |
| | 60_menit | ,250 | 9 | ,110 | ,818 | 9 | ,053 |

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

## Vitamin C Air Rebusan Kol Putih

**Tests of Normality**

| | | Kolmogorov-Smirnov[a] | | | Shapiro-Wilk | | |
|---|---|---|---|---|---|---|---|
| | perlakuan | Statistic | df | Sig. | Statistic | df | Sig. |
| vitamin_C | 0_menit | ,219 | 9 | ,200* | ,899 | 9 | ,245 |
| | 5_menit | ,261 | 9 | ,077 | ,828 | 9 | ,052 |
| | 10_menit | ,252 | 9 | ,105 | ,831 | 9 | ,055 |
| | 15_menit | ,218 | 9 | ,200* | ,918 | 9 | ,375 |
| | 20_menit | ,183 | 9 | ,200* | ,912 | 9 | ,332 |
| | 25_menit | ,199 | 9 | ,200* | ,931 | 9 | ,493 |
| | 30_menit | ,259 | 9 | ,082 | ,794 | 9 | ,074 |
| | 35_menit | ,210 | 9 | ,200* | ,877 | 9 | ,144 |
| | 40_menit | ,233 | 9 | ,173 | ,840 | 9 | ,058 |
| | 45_menit | ,259 | 9 | ,083 | ,849 | 9 | ,073 |
| | 50_menit | ,220 | 9 | ,200* | ,846 | 9 | ,068 |
| | 55_menit | ,250 | 9 | ,111 | ,843 | 9 | ,063 |
| | 60_menit | ,168 | 9 | ,200* | ,920 | 9 | ,396 |

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

**Lampiran 4. Analisa Variansi *One-Way Anova* terhadap Data Pengujian Vitamin C Kol Putih dan Air Rebusan Selama Waktu Tunggu Setelah Perebusan**

**Vitamin C Kol Putih**

**ANOVA**

vitamin_C

| | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|
| Between Groups | 659,426 | 12 | 54,952 | 9,467 | ,000 |
| Within Groups | 603,686 | 104 | 5,805 | | |
| Total | 1263,112 | 116 | | | |

## Post Hoc Tests

## Homogeneous Subsets

**vitamin_C**

Duncan[a]

| | | Subset for alpha = .05 | | | | | |
|---|---|---|---|---|---|---|---|
| perlakuan | N | 1 | 2 | 3 | 4 | 5 | 6 |
| 60_menit | 9 | 3,533255 | | | | | |
| 55_menit | 9 | 3,815328 | | | | | |
| 50_menit | 9 | 3,940206 | | | | | |
| 45_menit | 9 | 4,178773 | 4,178773 | | | | |
| 40_menit | 9 | 4,657489 | 4,657489 | 4,657489 | | | |
| 35_menit | 9 | 4,903222 | 4,903222 | 4,903222 | | | |
| 30_menit | 9 | 5,453950 | 5,453950 | 5,453950 | 5,453950 | | |
| 25_menit | 9 | 5,919205 | 5,919205 | 5,919205 | 5,919205 | | |
| 20_menit | 9 | | 6,667448 | 6,667448 | 6,667448 | | |
| 15_menit | 9 | | | 6,898719 | 6,898719 | 6,898719 | |
| 10_menit | 9 | | | | 7,643449 | 7,643449 | |
| 5_menit | 9 | | | | | 9,167486 | |
| 0_menit | 9 | | | | | | 12,136912 |
| Sig. | | ,075 | ,056 | ,087 | ,088 | ,061 | 1,000 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

## Vitamin C Air Rebusan Kol Putih

**ANOVA**

vitamin_C

| | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|
| Between Groups | 87,144 | 12 | 7,262 | 5,298 | ,000 |
| Within Groups | 142,564 | 104 | 1,371 | | |
| Total | 229,708 | 116 | | | |

## Post Hoc Tests

## Homogeneous Subsets

**vitamin_C**

Duncan[a]

| | | Subset for alpha = .05 | | | | | |
|---|---|---|---|---|---|---|---|
| perlakuan | N | 1 | 2 | 3 | 4 | 5 | 6 |
| 0_menit | 9 | 3,503769 | | | | | |
| 5_menit | 9 | 4,159038 | 4,159038 | | | | |
| 10_menit | 9 | | 4,710237 | 4,710237 | | | |
| 15_menit | 9 | | 4,825370 | 4,825370 | | | |
| 20_menit | 9 | | 5,090341 | 5,090341 | 5,090341 | | |
| 25_menit | 9 | | 5,234257 | 5,234257 | 5,234257 | 5,234257 | |
| 30_menit | 9 | | | 5,487107 | 5,487107 | 5,487107 | |
| 35_menit | 9 | | | 5,575221 | 5,575221 | 5,575221 | 5,575221 |
| 40_menit | 9 | | | 5,719436 | 5,719436 | 5,719436 | 5,719436 |
| 45_menit | 9 | | | 5,821089 | 5,821089 | 5,821089 | 5,821089 |
| 50_menit | 9 | | | | 6,126195 | 6,126195 | 6,126195 |
| 55_menit | 9 | | | | | 6,395322 | 6,395322 |
| 60_menit | 9 | | | | | | 6,758162 |
| Sig. | | ,237 | ,086 | ,090 | ,110 | ,071 | ,063 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

**Lampiran 5. Analisa Normalitas terhadap Data Pengujian Aktivitas Antioksidan Kol Putih dan Air Rebusan Selama Waktu Tunggu Setelah Perebusan**

## Aktivitas Antioksidan Kol Putih

**Tests of Normality**

| | | Kolmogorov-Smirnov[a] | | | Shapiro-Wilk | | |
|---|---|---|---|---|---|---|---|
| | perlakuan | Statistic | df | Sig. | Statistic | df | Sig. |
| antioksidan | segar | ,182 | 9 | ,200* | ,974 | 9 | ,928 |
| | 0_menit | ,199 | 9 | ,200* | ,886 | 9 | ,182 |
| | 5_menit | ,186 | 9 | ,200* | ,929 | 9 | ,469 |
| | 10_menit | ,166 | 9 | ,200* | ,966 | 9 | ,857 |
| | 15_menit | ,272 | 9 | ,053 | ,854 | 9 | ,082 |
| | 20_menit | ,159 | 9 | ,200* | ,911 | 9 | ,324 |
| | 25_menit | ,149 | 9 | ,200* | ,960 | 9 | ,795 |
| | 30_menit | ,247 | 9 | ,122 | ,853 | 9 | ,080 |
| | 35_menit | ,197 | 9 | ,200* | ,907 | 9 | ,295 |
| | 40_menit | ,231 | 9 | ,183 | ,857 | 9 | ,090 |
| | 45_menit | ,190 | 9 | ,200* | ,899 | 9 | ,248 |
| | 50_menit | ,146 | 9 | ,200* | ,956 | 9 | ,758 |
| | 55_menit | ,159 | 9 | ,200* | ,934 | 9 | ,517 |
| | 60_menit | ,194 | 9 | ,200* | ,936 | 9 | ,541 |

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

## Aktivitas Antioksidan Air Rebusan Kol Putih

**Tests of Normality**

| | | Kolmogorov-Smirnov[a] | | | Shapiro-Wilk | | |
|---|---|---|---|---|---|---|---|
| | perlakuan | Statistic | df | Sig. | Statistic | df | Sig. |
| antioksidan | 0_menit | ,158 | 9 | ,200* | ,965 | 9 | ,846 |
| | 5_menit | ,154 | 9 | ,200* | ,923 | 9 | ,422 |
| | 10_menit | ,231 | 9 | ,183 | ,881 | 9 | ,162 |
| | 15_menit | ,164 | 9 | ,200* | ,912 | 9 | ,329 |
| | 20_menit | ,150 | 9 | ,200* | ,927 | 9 | ,453 |
| | 25_menit | ,151 | 9 | ,200* | ,962 | 9 | ,820 |
| | 30_menit | ,187 | 9 | ,200* | ,917 | 9 | ,367 |
| | 35_menit | ,178 | 9 | ,200* | ,933 | 9 | ,511 |
| | 40_menit | ,167 | 9 | ,200* | ,969 | 9 | ,889 |
| | 45_menit | ,190 | 9 | ,200* | ,924 | 9 | ,427 |
| | 50_menit | ,154 | 9 | ,200* | ,968 | 9 | ,879 |
| | 55_menit | ,170 | 9 | ,200* | ,928 | 9 | ,463 |
| | 60_menit | ,193 | 9 | ,200* | ,899 | 9 | ,248 |

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

**Lampiran 6. Analisa Variansi *One-Way Anova* terhadap Data Pengujian Aktivitas Antioksidan Kol Putih dan Air Rebusan Selama Waktu Tunggu Setelah Perebusan**

**Aktivitas Antioksidan Kol Putih**

**ANOVA**

antioksidan

| | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|
| Between Groups | 2177,988 | 12 | 181,499 | 35,298 | ,000 |
| Within Groups | 534,754 | 104 | 5,142 | | |
| Total | 2712,742 | 116 | | | |

## Post Hoc Tests

## Homogeneous Subsets

**antioksidan**

Duncan[a]

| | | Subset for alpha = .05 | | | | | |
|---|---|---|---|---|---|---|---|
| perlakuan | N | 1 | 2 | 3 | 4 | 5 | 6 |
| 55_menit | 9 | 4,7690 | | | | | |
| 60_menit | 9 | 4,9844 | 4,9844 | | | | |
| 50_menit | 9 | 5,3759 | 5,3759 | | | | |
| 45_menit | 9 | 6,3015 | 6,3015 | 6,3015 | | | |
| 35_menit | 9 | 6,3776 | 6,3776 | 6,3776 | | | |
| 40_menit | 9 | 6,8814 | 6,8814 | 6,8814 | | | |
| 30_menit | 9 | | 7,3750 | 7,3750 | | | |
| 20_menit | 9 | | | 8,0712 | 8,0712 | | |
| 25_menit | 9 | | | 8,4403 | 8,4403 | | |
| 15_menit | 9 | | | 8,5757 | 8,5757 | | |
| 10_menit | 9 | | | | 10,2971 | | |
| 5_menit | 9 | | | | | 12,9106 | |
| 0_menit | 9 | | | | | | 21,5388 |
| Sig. | | ,086 | ,051 | ,068 | ,059 | 1,000 | 1,000 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

## Aktivitas Antioksidan Air Rebusan Kol Putih

**ANOVA**

antioksidan

| | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|
| Between Groups | 88,229 | 12 | 7,352 | 33,790 | ,000 |
| Within Groups | 22,630 | 104 | ,218 | | |
| Total | 110,859 | 116 | | | |

## Post Hoc Tests

## Homogeneous Subsets

**antioksidan**

Duncan[a]

| perlakuan | N | Subset for alpha = .05 | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 0_menit | 9 | ,803311 | | | | | | |
| 5_menit | 9 | | 1,300611 | | | | | |
| 10_menit | 9 | | 1,607811 | | | | | |
| 15_menit | 9 | | | 2,215522 | | | | |
| 20_menit | 9 | | | 2,585111 | 2,585111 | | | |
| 25_menit | 9 | | | 2,626122 | 2,626122 | 2,626122 | | |
| 60_menit | 9 | | | | 2,951344 | 2,951344 | 2,951344 | |
| 30_menit | 9 | | | | | 3,067578 | 3,067578 | |
| 55_menit | 9 | | | | | | 3,216767 | 3,216767 |
| 35_menit | 9 | | | | | | 3,239433 | 3,239433 |
| 50_menit | 9 | | | | | | 3,316011 | 3,316011 |
| 40_menit | 9 | | | | | | | 3,584933 |
| 45_menit | 9 | | | | | | | 3,672833 |
| Sig. | | 1,000 | ,165 | ,080 | ,119 | ,059 | ,144 | ,066 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

**Lampiran 7. Analisa Normalitas terhadap Data Pengujian Warna Kol Putih Selama Waktu Tunggu Setelah Perebusan**

## Warna L*

**Tests of Normality**

| | | Kolmogorov-Smirnov[a] | | | Shapiro-Wilk | | |
|---|---|---|---|---|---|---|---|
| | perlakuan | Statistic | df | Sig. | Statistic | df | Sig. |
| warna_L | Segar | ,075 | 45 | ,200* | ,971 | 45 | ,315 |
| | 0_menit | ,112 | 45 | ,199 | ,968 | 45 | ,249 |
| | 5_menit | ,125 | 45 | ,076 | ,937 | 45 | ,017 |
| | 10_menit | ,109 | 45 | ,200* | ,962 | 45 | ,142 |
| | 15_menit | ,154 | 45 | ,090 | ,920 | 45 | ,054 |
| | 20_menit | ,060 | 45 | ,200* | ,985 | 45 | ,816 |
| | 25_menit | ,097 | 45 | ,200* | ,940 | 45 | ,052 |
| | 30_menit | ,089 | 45 | ,200* | ,977 | 45 | ,501 |
| | 35_menit | ,116 | 45 | ,149 | ,951 | 45 | ,055 |
| | 40_menit | ,129 | 45 | ,059 | ,934 | 45 | ,013 |
| | 45_menit | ,160 | 45 | ,057 | ,950 | 45 | ,053 |
| | 50_menit | ,277 | 45 | ,238 | ,787 | 45 | ,069 |
| | 55_menit | ,098 | 45 | ,200* | ,966 | 45 | ,208 |
| | 60_menit | ,126 | 45 | ,069 | ,960 | 45 | ,127 |

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

## Warna b*

**Tests of Normality**

| | | Kolmogorov-Smirnov[a] | | | Shapiro-Wilk | | |
|---|---|---|---|---|---|---|---|
| | perlakuan | Statistic | df | Sig. | Statistic | df | Sig. |
| warna_b | Segar | ,092 | 45 | ,200* | ,963 | 45 | ,161 |
| | 0_menit | ,116 | 45 | ,155 | ,951 | 45 | ,054 |
| | 5_menit | ,137 | 45 | ,058 | ,872 | 45 | ,054 |
| | 10_menit | ,084 | 45 | ,200* | ,977 | 45 | ,494 |
| | 15_menit | ,100 | 45 | ,200* | ,965 | 45 | ,188 |
| | 20_menit | ,080 | 45 | ,200* | ,967 | 45 | ,234 |
| | 25_menit | ,079 | 45 | ,200* | ,982 | 45 | ,690 |
| | 30_menit | ,113 | 45 | ,183 | ,935 | 45 | ,059 |
| | 35_menit | ,088 | 45 | ,200* | ,970 | 45 | ,286 |
| | 40_menit | ,098 | 45 | ,200* | ,977 | 45 | ,514 |
| | 45_menit | ,066 | 45 | ,200* | ,989 | 45 | ,937 |
| | 50_menit | ,114 | 45 | ,179 | ,958 | 45 | ,100 |
| | 55_menit | ,134 | 45 | ,074 | ,955 | 45 | ,079 |
| | 60_menit | ,108 | 45 | ,200* | ,968 | 45 | ,248 |

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

**Lampiran 8. Analisa Variansi *One-Way Anova* terhadap Data Pengujian Warna Kol Putih Selama Waktu Tunggu Setelah Perebusan**

**Warna L***

**ANOVA**

warna_L

| | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|
| Between Groups | 3599,921 | 12 | 299,993 | 81,600 | ,000 |
| Within Groups | 2102,897 | 572 | 3,676 | | |
| Total | 5702,818 | 584 | | | |

## Post Hoc Tests

## Homogeneous Subsets

**warna_L**

Duncan[a]

| | | Subset for alpha = .05 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| perlakuan | N | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 5_menit | 45 | 71,6638 | | | | | | | | |
| 10_menit | 45 | 72,1773 | | | | | | | | |
| 0_menit | 45 | | 73,3160 | | | | | | | |
| 15_menit | 45 | | 73,9264 | 73,9264 | | | | | | |
| 20_menit | 45 | | | 74,4982 | 74,4982 | | | | | |
| 25_menit | 45 | | | | 75,0973 | 75,0973 | | | | |
| 30_menit | 45 | | | | | 75,6989 | 75,6989 | | | |
| 35_menit | 45 | | | | | | 76,1684 | | | |
| 40_menit | 45 | | | | | | | 77,2551 | | |
| 45_menit | 45 | | | | | | | 77,5449 | | |
| 50_menit | 45 | | | | | | | | 78,6106 | |
| 55_menit | 45 | | | | | | | | 78,9728 | 78,9728 |
| 60_menit | 45 | | | | | | | | | 79,5644 |
| Sig. | | ,204 | ,132 | ,158 | ,139 | ,137 | ,246 | ,474 | ,488 | ,146 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 45,000.

## Warna b*

**ANOVA**

warna_b

| | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|
| Between Groups | 2928,162 | 12 | 244,014 | 21,091 | ,000 |
| Within Groups | 6617,763 | 572 | 11,570 | | |
| Total | 9545,925 | 584 | | | |

# Post Hoc Tests

## Homogeneous Subsets

**warna_b**

Duncan[a]

| perlakuan | N | Subset for alpha = .05 | | | | |
|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 |
| 5_menit | 45 | 19,9584 | | | | |
| 30_menit | 45 | 20,6404 | | | | |
| 20_menit | 45 | 20,9611 | 20,9611 | | | |
| 25_menit | 45 | 21,0204 | 21,0204 | | | |
| 10_menit | 45 | 21,0304 | 21,0304 | | | |
| 15_menit | 45 | 21,2004 | 21,2004 | | | |
| 45_menit | 45 | | 22,4640 | 22,4640 | | |
| 35_menit | 45 | | | 22,7458 | | |
| 40_menit | 45 | | | 23,5489 | | |
| 0_menit | 45 | | | 24,0731 | | |
| 50_menit | 45 | | | | 25,6003 | |
| 55_menit | 45 | | | | 26,5329 | 26,5329 |
| 60_menit | 45 | | | | | 26,9613 |
| Sig. | | ,133 | ,061 | ,051 | ,114 | ,550 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 45,000.

**Lampiran 9. Analisa Normalitas terhadap Data Pengujian Tekstur Kol Putih Selama Waktu Tunggu Setelah Perebusan**

## Batang Kol Putih

**Tests of Normality**

| | | Kolmogorov-Smirnov[a] | | | Shapiro-Wilk | | |
|---|---|---|---|---|---|---|---|
| | perlakuan | Statistic | df | Sig. | Statistic | df | Sig. |
| tekstur | Segar | ,190 | 9 | ,200* | ,882 | 9 | ,164 |
| | 0_menit | ,218 | 9 | ,200* | ,854 | 9 | ,082 |
| | 5_menit | ,171 | 9 | ,200* | ,910 | 9 | ,316 |
| | 10_menit | ,139 | 9 | ,200* | ,943 | 9 | ,613 |
| | 15_menit | ,181 | 9 | ,200* | ,910 | 9 | ,314 |
| | 20_menit | ,182 | 9 | ,200* | ,910 | 9 | ,318 |
| | 25_menit | ,191 | 9 | ,200* | ,943 | 9 | ,612 |
| | 30_menit | ,206 | 9 | ,200* | ,891 | 9 | ,203 |
| | 35_menit | ,220 | 9 | ,200* | ,855 | 9 | ,084 |
| | 40_menit | ,182 | 9 | ,200* | ,883 | 9 | ,171 |
| | 45_menit | ,155 | 9 | ,200* | ,930 | 9 | ,481 |
| | 50_menit | ,193 | 9 | ,200* | ,920 | 9 | ,395 |
| | 55_menit | ,212 | 9 | ,200* | ,852 | 9 | ,079 |
| | 60_menit | ,130 | 9 | ,200* | ,964 | 9 | ,834 |

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

## Daun Kol Putih

**Tests of Normality**

| | | Kolmogorov-Smirnov[a] | | | Shapiro-Wilk | | |
|---|---|---|---|---|---|---|---|
| | perlakuan | Statistic | df | Sig. | Statistic | df | Sig. |
| tekstur | Segar | ,153 | 9 | ,200* | ,967 | 9 | ,865 |
| | 0_menit | ,193 | 9 | ,200* | ,927 | 9 | ,450 |
| | 5_menit | ,178 | 9 | ,200* | ,934 | 9 | ,520 |
| | 10_menit | ,265 | 9 | ,068 | ,867 | 9 | ,113 |
| | 15_menit | ,244 | 9 | ,132 | ,866 | 9 | ,111 |
| | 20_menit | ,220 | 9 | ,200* | ,835 | 9 | ,051 |
| | 25_menit | ,171 | 9 | ,200* | ,889 | 9 | ,195 |
| | 30_menit | ,192 | 9 | ,200* | ,901 | 9 | ,259 |
| | 35_menit | ,213 | 9 | ,200* | ,889 | 9 | ,194 |
| | 40_menit | ,243 | 9 | ,134 | ,870 | 9 | ,122 |
| | 45_menit | ,225 | 9 | ,200* | ,922 | 9 | ,406 |
| | 50_menit | ,137 | 9 | ,200* | ,941 | 9 | ,596 |
| | 55_menit | ,228 | 9 | ,196 | ,838 | 9 | ,054 |
| | 60_menit | ,157 | 9 | ,200* | ,974 | 9 | ,928 |

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

**Lampiran 10. Analisa Variansi *One-Way Anova* terhadap Data Pengujian Tekstur Kol Putih Selama Waktu Tunggu Setelah Perebusan**

**Tekstur Batang Kol Putih**

**ANOVA**

tekstur

| | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|
| Between Groups | 3E+008 | 12 | 24147794,06 | 20,821 | ,000 |
| Within Groups | 1E+008 | 104 | 1159759,397 | | |
| Total | 4E+008 | 116 | | | |

## Post Hoc Tests

## Homogeneous Subsets

**tekstur**

Duncan[a]

| perlakuan | N | Subset for alpha = .05 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 60_menit | 9 | 1868,177 | | | | | | | | |
| 55_menit | 9 | 2311,165 | 2311,165 | | | | | | | |
| 50_menit | 9 | 2695,553 | 2695,553 | 2695,553 | | | | | | |
| 45_menit | 9 | | 3183,861 | 3183,861 | 3183,861 | | | | | |
| 40_menit | 9 | | 3312,264 | 3312,264 | 3312,264 | | | | | |
| 35_menit | 9 | | | 3539,866 | 3539,866 | | | | | |
| 30_menit | 9 | | | | 4172,459 | 4172,459 | | | | |
| 25_menit | 9 | | | | | 4729,379 | 4729,379 | | | |
| 20_menit | 9 | | | | | 5101,106 | 5101,106 | 5101,106 | | |
| 15_menit | 9 | | | | | | 5433,156 | 5433,156 | 5433,156 | |
| 10_menit | 9 | | | | | | | 6018,351 | 6018,351 | 6018,351 |
| 5_menit | 9 | | | | | | | | 6487,778 | 6487,778 |
| 0_menit | 9 | | | | | | | | | 6962,589 |
| Sig. | | ,127 | ,074 | ,133 | ,077 | ,086 | ,195 | ,090 | ,051 | ,081 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

# Tekstur Daun Kol Putih

**ANOVA**

tekstur

| | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|
| Between Groups | 6429564 | 12 | 535796,965 | 16,469 | ,000 |
| Within Groups | 3383462 | 104 | 32533,288 | | |
| Total | 9813025 | 116 | | | |

## Post Hoc Tests

## Homogeneous Subsets

**tekstur**

Duncan[a]

| | | Subset for alpha = .05 | | | | | | |
|---|---|---|---|---|---|---|---|---|
| perlakuan | N | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 60_menit | 9 | 173,1185 | | | | | | |
| 55_menit | 9 | 237,1711 | 237,1711 | | | | | |
| 50_menit | 9 | 269,4161 | 269,4161 | | | | | |
| 45_menit | 9 | 298,8568 | 298,8568 | | | | | |
| 35_menit | 9 | 353,6268 | 353,6268 | 353,6268 | | | | |
| 40_menit | 9 | | 365,9460 | 365,9460 | | | | |
| 30_menit | 9 | | 402,8398 | 402,8398 | 402,8398 | | | |
| 25_menit | 9 | | | 487,8066 | 487,8066 | 487,8066 | | |
| 20_menit | 9 | | | | 552,3663 | 552,3663 | | |
| 15_menit | 9 | | | | | 593,4390 | | |
| 10_menit | 9 | | | | | 667,9618 | 667,9618 | |
| 5_menit | 9 | | | | | | 784,0070 | |
| 0_menit | 9 | | | | | | | 1030,715 |
| Sig. | | ,060 | ,091 | ,154 | ,099 | ,054 | ,175 | 1,000 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

**Lampiran 11. Analisa Normalitas terhadap Data Pengujian Kadar Air Kol Putih Selama Waktu Tunggu Setelah Perebusan**

**Tests of Normality**

| | | Kolmogorov-Smirnov[a] | | | Shapiro-Wilk | | |
|---|---|---|---|---|---|---|---|
| | perlakuan | Statistic | df | Sig. | Statistic | df | Sig. |
| kadar_air | segar | ,179 | 9 | ,200* | ,928 | 9 | ,463 |
| | 0_menit | ,231 | 9 | ,180 | ,902 | 9 | ,265 |
| | 5_menit | ,201 | 9 | ,200* | ,907 | 9 | ,297 |
| | 10_menit | ,169 | 9 | ,200* | ,901 | 9 | ,259 |
| | 15_menit | ,224 | 9 | ,200* | ,930 | 9 | ,482 |
| | 20_menit | ,167 | 9 | ,200* | ,956 | 9 | ,756 |
| | 25_menit | ,254 | 9 | ,098 | ,880 | 9 | ,159 |
| | 30_menit | ,201 | 9 | ,200* | ,943 | 9 | ,616 |
| | 35_menit | ,226 | 9 | ,200* | ,877 | 9 | ,147 |
| | 40_menit | ,232 | 9 | ,176 | ,768 | 9 | ,009 |
| | 45_menit | ,167 | 9 | ,200* | ,914 | 9 | ,344 |
| | 50_menit | ,189 | 9 | ,200* | ,934 | 9 | ,520 |
| | 55_menit | ,205 | 9 | ,200* | ,838 | 9 | ,055 |
| | 60_menit | ,264 | 9 | ,071 | ,840 | 9 | ,057 |

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

**Lampiran 12. Analisa Variansi *One-Way Anova* terhadap Data Pengujian Kadar Air Kol Putih Selama Waktu Tunggu Setelah Perebusan**

**ANOVA**

kadar_air

| | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|
| Between Groups | 10,020 | 12 | ,835 | 5,428 | ,000 |
| Within Groups | 15,999 | 104 | ,154 | | |
| Total | 26,019 | 116 | | | |

## Post Hoc Tests

## Homogeneous Subsets

**kadar_air**

Duncan[a]

| perlakuan | N | Subset for alpha = .05 | | | |
|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 |
| 0_menit | 9 | 95,5101 | | | |
| 5_menit | 9 | | 96,0333 | | |
| 15_menit | 9 | | 96,2101 | 96,2101 | |
| 10_menit | 9 | | 96,2733 | 96,2733 | |
| 20_menit | 9 | | 96,2774 | 96,2774 | |
| 50_menit | 9 | | 96,4000 | 96,4000 | 96,4000 |
| 30_menit | 9 | | 96,4133 | 96,4133 | 96,4133 |
| 35_menit | 9 | | 96,4501 | 96,4501 | 96,4501 |
| 45_menit | 9 | | | 96,4800 | 96,4800 |
| 25_menit | 9 | | | 96,4832 | 96,4832 |
| 55_menit | 9 | | | 96,5267 | 96,5267 |
| 40_menit | 9 | | | 96,5873 | 96,5873 |
| 60_menit | 9 | | | | 96,7301 |
| Sig. | | 1,000 | ,052 | ,090 | ,137 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.